

Name: _____

Date: _____

Multiplying Decimals

1. Multiply the decimals just as if they were whole numbers.
2. Line up the numbers to the right. You do not have to align the decimal points.
3. Multiply and add the products.
4. To determine where the decimal goes, count the number of decimal places of the two numbers being multiplied. That sum is the number of places you need to move. Start at the right and move that number of places to the left and place your decimal point.

				1	
	3	4	.	2	6
x				1	.
				2	
	6	8	5	2	
+	3	4	2	6	x
	4	1.	1	1	2

2 decimal places
1 decimal place

Move decimal point
3 places

$$\begin{array}{r} 604 \\ \times 0.36 \\ \hline \end{array}$$

$$\begin{array}{r} 5.18 \\ \times 21 \\ \hline \end{array}$$

$$\begin{array}{r} 8.29 \\ \times 9.0 \\ \hline \end{array}$$

$$\begin{array}{r} 6.98 \\ \times 0.92 \\ \hline \end{array}$$

$$\begin{array}{r} 404 \\ \times 7.7 \\ \hline \end{array}$$

$$\begin{array}{r} 86.3 \\ \times 8.0 \\ \hline \end{array}$$

$$\begin{array}{r} 48.6 \\ \times 0.43 \\ \hline \end{array}$$

$$\begin{array}{r} 6.46 \\ \times 0.29 \\ \hline \end{array}$$

$$\begin{array}{r} 4.78 \\ \times 0.63 \\ \hline \end{array}$$

$$\begin{array}{r} 30.6 \\ \times 0.73 \\ \hline \end{array}$$

$$\begin{array}{r} 44.9 \\ \times 6.1 \\ \hline \end{array}$$

$$\begin{array}{r} 1.37 \\ \times 41 \\ \hline \end{array}$$

$$\begin{array}{r} 5.17 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 3.38 \\ \times 34 \\ \hline \end{array}$$

$$\begin{array}{r} 1.31 \\ \times 88 \\ \hline \end{array}$$

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				1	
	3	4	.	2	6
x				1	.
				2	
	6	8	5	2	
+	3	4	2	6	x
	4	1.	1	1	2

2 decimal places
1 decimal place

Move decimal point
3 places

$$\begin{array}{r} 604 \\ \times 0.36 \\ \hline 217.44 \end{array}$$

$$\begin{array}{r} 5.18 \\ \times 21 \\ \hline 108.78 \end{array}$$

$$\begin{array}{r} 8.29 \\ \times 9.0 \\ \hline 74.610 \end{array}$$

$$\begin{array}{r} 6.98 \\ \times 0.92 \\ \hline 6.4216 \end{array}$$

$$\begin{array}{r} 404 \\ \times 7.7 \\ \hline 3,110.8 \end{array}$$

$$\begin{array}{r} 86.3 \\ \times 8.0 \\ \hline 690.40 \end{array}$$

$$\begin{array}{r} 48.6 \\ \times 0.43 \\ \hline 20.898 \end{array}$$

$$\begin{array}{r} 6.46 \\ \times 0.29 \\ \hline 1.8734 \end{array}$$

$$\begin{array}{r} 4.78 \\ \times 0.63 \\ \hline 3.0114 \end{array}$$

$$\begin{array}{r} 30.6 \\ \times 0.73 \\ \hline 22.338 \end{array}$$

$$\begin{array}{r} 44.9 \\ \times 6.1 \\ \hline 273.89 \end{array}$$

$$\begin{array}{r} 1.37 \\ \times 41 \\ \hline 56.17 \end{array}$$

$$\begin{array}{r} 5.17 \\ \times 11 \\ \hline 56.87 \end{array}$$

$$\begin{array}{r} 3.38 \\ \times 34 \\ \hline 114.92 \end{array}$$

$$\begin{array}{r} 1.31 \\ \times 88 \\ \hline 115.28 \end{array}$$